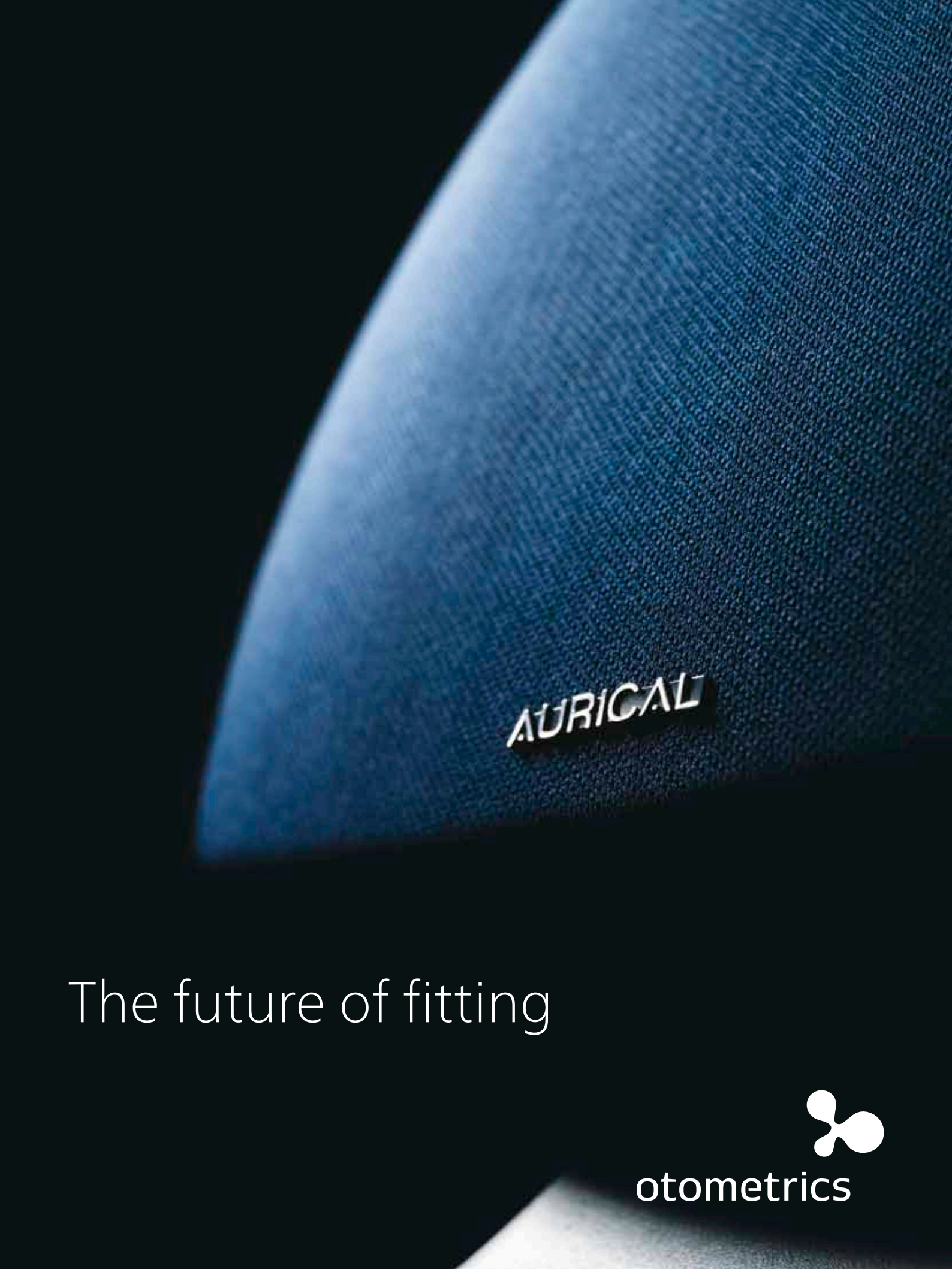



# The future of fitting

otometrics

# She’s looking at you and you’re looking at her

The new AURICAL makes her fitting experience more comfortable, faster and easier to understand. It helps you create rapport and gain trust – and it builds a bridge between the two of you.

# The new AURICAL by Otometrics

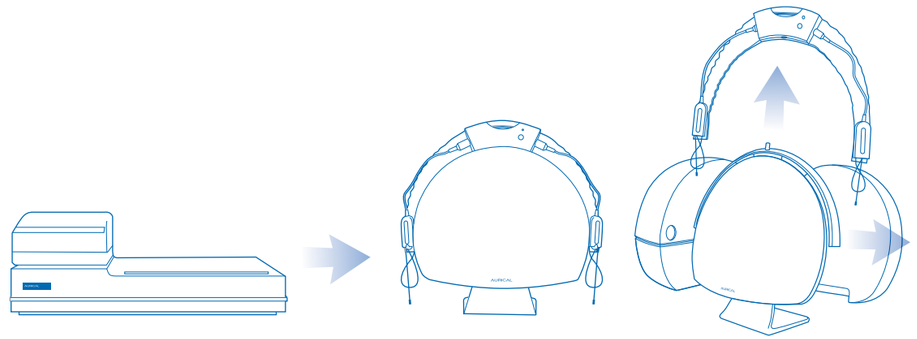
# More flexible, efficient and convincing than ever

## The new AURICAL supports the relationship between you and your clients and gives you both confidence

You can hide it. You can flaunt it. You can place it where you want it. And you can take it with you on the go. You can use it all together. Or separate it as you please. It lets you say goodbye once and for all to inflexible design and hello to a modular way of thinking.

It's based on the experiences of more than 15,000 users of the original AURICAL. It has everything you need: A dedicated fitting audiometer. A wireless and binaural Probe Microphone Measurements (PMM) unit. Effective counseling tools. And a HIT box that works independently – or with the other components. The intuitive OTOsuite software integrates it all and supports the entire fitting process.

All in all the new AURICAL provides you with a unique combination of intuitive tools that enable you to work in a professional and convincing manner helping your clients understand and appreciate the decisions and choices you make together.



# It’s flexible

**The ultimate freedom**

Fully integrated. Completely modular. Place it where it suits you – or take it with you. Use the audiometer and the HIT box with the speaker and the wireless Probe Microphone Measurement (PMM) unit – or use them separately if you prefer. You can send one module for service and still use the rest. You can add additional components as your practice grows. And you can customize the OTOsuite software – easily – to suit your fitting routines. The new AURICAL adjusts to your workplace and your way of working – not the other way around.

**See videos about flexibility at www.futurefitting.com**

# It’s efficient

**Works faster, works better**

Audiometry is smooth and fast. PMM is wireless – and binaural. HIT is easy to work with and easy to handle. Replace single tasks with customized sequential processes. Use practical FitAssist tools to make fitting easier and quicker – without compromising quality. Make testing and programming hearing instruments an integral part of your workflow. Store all your data in the intuitive OTOsuite software. Benefit from seamless integration and uniform appearance and routines. Discover a whole new dimension in efficiency and ease with the remarkably user-friendly and advanced new AURICAL.

**See videos about efficiency at www.futurefitting.com**

# It’s convincing

**Make fitting easy to understand**

Counsel clients with built-in simulators and Speech Mapping. Progress from Real Ear Measurements (REM) to real-life Probe Microphone Measurements (PMM). Demonstrate the benefits of hearing instrument features with the Feature-2-Benefit mode. Use innovative FitAssist tools to stay on top of your fitting workflow. With the new AURICAL, you can rest assured that the fitting process will go smoothly. This means a convincing, professional and easy-to-follow fitting experience for all your clients.

**See videos about counseling at www.futurefitting.com**

# A complete, modular fitting solution

## You can use the modules separately, all together or combine them as you please

The new AURICAL is a complete, modular fitting solution in a stunning new design. It incorporates five elements: The Audiometer, the wireless PMM unit with REM, the loudspeaker, the HIT box and the OTOsuite software. You can use them all independently, or combine them as you prefer.

The fundamental core of the solution is the OTOsuite software. It seamlessly connects everything together in a single modern software suite. It is simple, yet advanced. And it fits every need in any kind of clinic.

**See a video overview of the full solution at www.futurefitting.com**

**OTOsuite:** This intuitive software interface provides unprecedented ease of use and efficiency.

**AURICAL Speaker:**
An integrated quality loud-speaker incorporating the FreeFit charger and the audiometer stand providing a single, compact, multi-purpose unit.

**AURICAL FreeFit:** This very comfortable device enables fast, accurate monaural or binaural fitting.

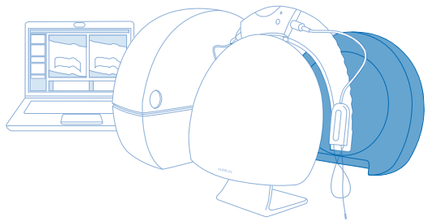
**Counseling tools:** These convincing tools help clients understand and participate in the fitting process.

**AURICAL HIT:** This independent unit allows coupler based fitting and HI testing anywhere.

**AURICAL Aud:**
A complete portable audiometer with a unique set of features.

# The Audiometer

**655g of concentrated knowledge**



**Unique design:** Compact and designed to support your needs.

**Connectivity:** The vast connectivity possibilities make it the natural central point of the fitting solution.

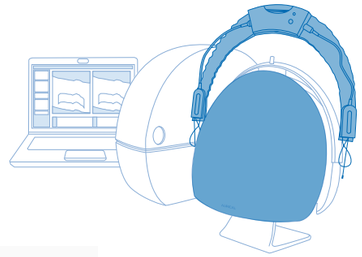
The new AURICAL Aud is the world's only true fitting audiometer. It integrates an audiometer, counseling tools, power amplifier, USB hub and optional HI-PRO in a modern, ultra-compact design. It's a complete, portable diagnostic audiometer that offers outstanding flexibility. It is designed to fit into all kinds of environments, inside your clinic or out.

The new audiometer is easy to use too: The exceptionally intuitive interface has a new on-screen control panel and easy-to-access user test functions. It not only ensures fast operation but also consistently accurate results. Also, if you're familiar with the AURICAL Plus, your transition to the new solution will be particularly smooth.

## THE FACTS

- AC, BC and SF audiometry (built-in power amplifier)
- Tone audiometry testing up to 12.5 kHz
- Integrated speech material
- Intuitive on-screen control panel
- Masking assistant
- Extensive user test functionality
- One-click data logging
- Built-in USB hub
- Optional built-in HI-PRO
- Selection of report templates

# The Probe Microphone Measurement unit



**Newfound freedom**

**Wireless design:** Ensures that your client has a pleasant experience with the lightweight, wireless FreeFit. It's both easy to fit for you and comfortable for the client to wear.

**User friendly probe:** Can be fitted easily onto the client's ear. The integrated rulers make it simple to insert the probe tube correctly.

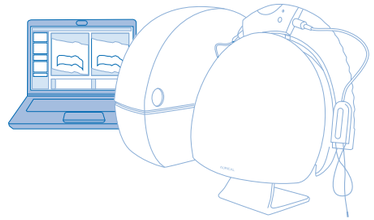
There's no such thing as an average ear. The FreeFit PMM increases client satisfaction because you can verify fittings – with or without prescriptive targets. It lets you fit with confidence – and makes your clients feel confident in you. Being the only wireless Probe Microphone Measurements solution, it adds unprecedented flexibility and freedom to PMM. User tests, binaural capability and pre-defined measurement sequences make it fast and easy to use. And it includes convincing tools that help you clearly demonstrate the real benefits of hearing instruments like noise reduction, directionality and the like. The FreeFit consists of four unique elements: Dynamic REM, Speech Mapping, FitAssist and the FreeStyle mode.

## THE FACTS

- Wireless and binaural
- Configurable user tests and sequencing
- Intuitive user interface
- FreeStyle with Feature-2-Benefit mode
- FitAssist (Feedback Finder, Occluded Probe-Tube Detector and OnTop mode)
- Curve Zoom
- Real Speech stimuli including ISTS
- Dynamic Fitting using Percentile Analysis
- Chirp and OpenREM calibration
- ABR/ASSR data conversion
- Listen at the Eardrum
- Extensive sound library
- Dedicated noise reduction testing

# The counseling tools

**Professional guidance. Improved acceptance**



**User interface:** It is easy to use and has a professional appearance.

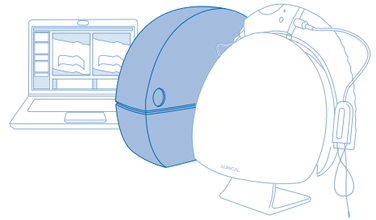
Built-in counseling tools help you build rapport and involvement with your clients in the fitting process. Your professional approach will be appreciated and will add value. And you'll be able to provide convincing information that increases their appreciation. The AURICAL counseling tools also let you identify clients' challenges, find the best solutions and – ultimately – increase their satisfaction.

**THE FACTS**

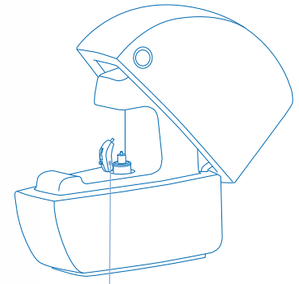
- Speech Mapping
- Hearing Instrument and Hearing Loss Simulators
- Curve Zoom
- Clear visual screens for optimal client involvement
- Extensive sound library and live voice mode
- Visual overlays for improved client dialogue
- Supports counseling outside the clinic (integrated in AURICAL Aud)

# The HIT box

**Fully independent. Completely integrated**



**Unique:** A space-saving and ergonomically correct design make IEC/ANSI tests and coupler based fitting using RECD comfortable and easy.



**The hearing instruments:** Are conveniently placed with the microphones positioned for accurate and reliable measurements.

**Available 2012**

The HIT box offers a new approach to hearing instrument testing. It can operate independently of the other AURICAL elements. Or you can connect it to the AURICAL audiometer itself, or simply directly to your computer running OTOsuite. It's easy to place hearing instruments inside it. User tests enable both partial and full test sequences. And it provides a consistent picture of every hearing instrument, regardless of manufacturer or type.

Snap-on couplers make managing hearing instruments a breeze. You can do intuitive coupler based fitting with RECD's, pre-programming, and pre-fitting without the client's presence. Plus, it's easy to access the hearing instruments in the test chamber during the testing.

**THE FACTS**

- Coupler based fitting using RECD according to DSL v5.0b and NAL NL2
- Directionality testing
- HI testing according to IEC and ANSI standards
- Built-in induction loop
- Autodetecting battery pills
- Snap-on couplers
- Simple USB connectivity
- USB powered
- Innovative design and small footprint

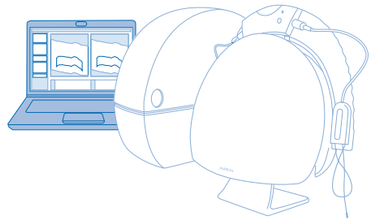
# The OTOsuite software

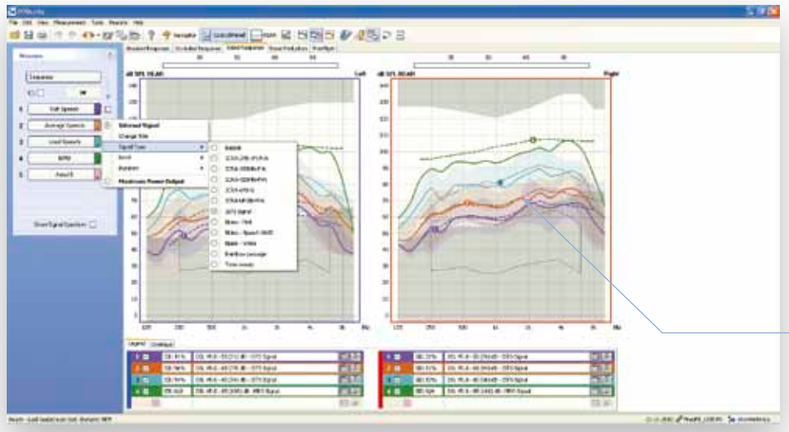
**Smooth integration. Unique ease-of-use**

The OTOsuite software integrates all the elements of the new AURICAL. It's intuitive, easy to learn and easy to use. It supports the entire client journey, from diagnostics and counseling, to fitting and verification. Simple to use user test functionality ensures configurable, consistent and smooth workflows that can be customized to suit individual needs. And you work in a single software environment across modules. The result is a better fitting experience – for you and for your client.

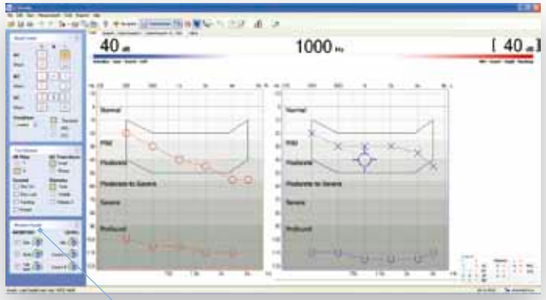
## THE FACTS

- Audiometry, Immittance, Counseling, Speech Mapping, Probe Microphone Measurements and HI testing in a single software environment
- Easy-to-use user test functionality for all modules
- Customizable protocols and test sequences efficiency and consistency
- Short learning-curve due to consistent look and feel across modules
- Scaleable: Incorporate more modules to suit your clinical needs
- NOAH compatible
- Electronic Medical Records (EMR) compatible
- Extensive library for report templates
- Easy to share user tests and reports with others in a multi-site environment





**Many options for making measurements:** They're easy to stay on top of and you can customize them easily to suit your own preferences.




**The Aud on-screen control panel:** Provides a unique combination of advanced functionality and ease-of-use.

**FitAssist**: The Listen at the Eardrum function takes the guesswork out of the feedback from the client. Now you can listen in on the sound in the ear canal.

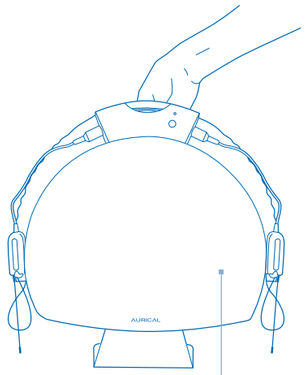
# Flexible and easy-to-use

**Adapts to your needs – every time**

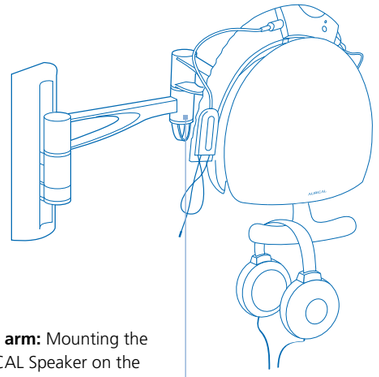
The new AURICAL solution provides almost unlimited flexibility. It's both a complete solution and an impressive collection of stand-alone components. You decide. Either way, the OTOsuite software brings it all together into a single flexible, efficient and convincing fitting tool.

## THE FACTS

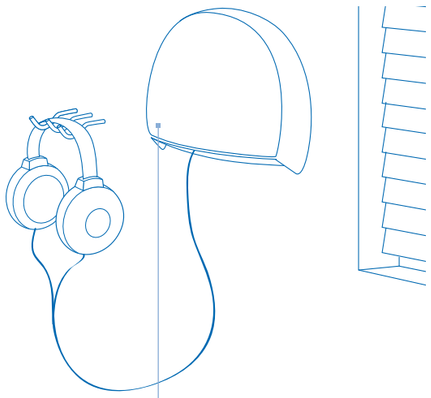
- Flexible mounting options: Speaker on VESA arm, Audiometry unit on wall and under desk
- Separate modules allow simultaneous use by different hearing care professionals
- Add modules as your clinic grows
- Plan your equipment investments
- Portable and lightweight
- Use it in the clinic – save space, add components as needed
- Use it on the go – take it with you on home visits



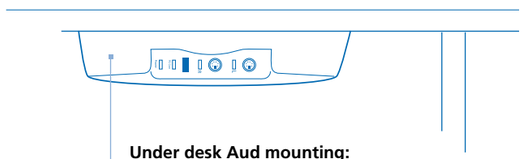
**Portable:** The compact lightweight design lets you bring it with you on home visits or move it between offices with ease.



**VESA arm:** Mounting the AURICAL Speaker on the VESA arm, (with or without the audiometer) saves space.



**Wall mountable:** The wall-mount kit lets you place the audiometer close to the client and optimize cabling inside the booth.



**Under desk Aud mounting:** Mounting the audiometer with the built-in HI-PRO under the desk helps tidy up cabling and provides convenient access to the HI-PRO plugs.

**See videos about flexibility at www.futurefitting.com**

AURICAL was designed with your needs in mind: Saving space, placing equipment where you need it, moving it around or taking it with you on home visits. And because the AURICAL components work both together and independently, one person can take care of HIT or coupler based fitting, while another works with audiometry, counseling or PMM. AURICAL's unique modularity takes it all into account.

### Clinic 1

Use AURICAL in a clinic with a fitting area and separate sound booth. Place the speaker and the FreeFit in the fitting area, run a few cables through the wall of the sound booth, and place the audiometer where you need it – inside the booth and close to the client – for best access to the transducers.

### Clinic 2

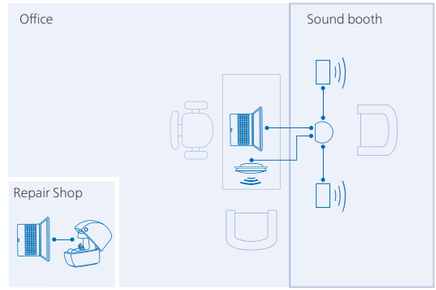
Use AURICAL in a clinic with an office for fitting and counseling and a dedicated audiometry suite. Place the complete AURICAL system in the fitting and counseling office. Place a separate audiometer in the audiometry suite. The OTOsuite software binds it all together.

### Clinic 3

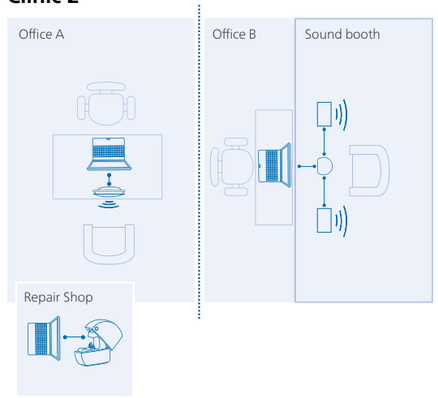
Use AURICAL in a clinic with a single workspace. Place all the components together for maximum functionality in the least amount of space.

Need a HIT box for HI testing and coupler based fitting? You can add the AURICAL HIT box in any clinic, regardless of setup. The AURICAL HIT box operates independently.

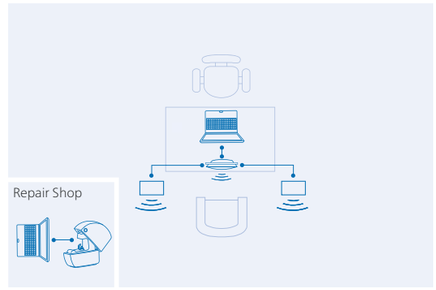
**Clinic 1**




**Clinic 2**




**Clinic 3**



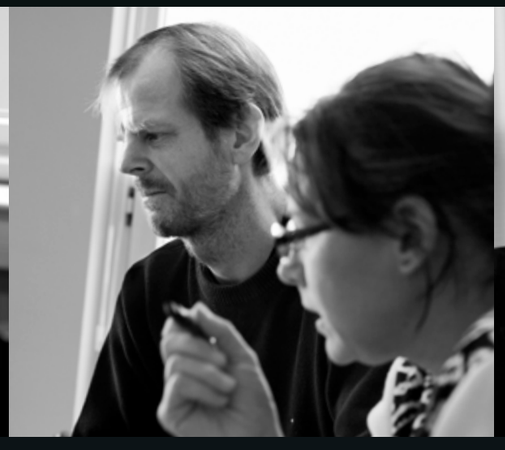
# Meet us online

**www.futurefitting.com**

Many loyal AURICAL users helped us develop the new AURICAL by sharing their experiences, requests and questions with us along the way. One of the questions we often heard was "How can I make sure a fitting covers the client's dynamic range?". Meet us online and learn the answer, ask your own questions, or share your experiences and opinions. We're always interested in helping you out and in hearing what you have to say.

- **Blog for fitting specialists**
- **Videos**
- **E-learning**
- **Libraries of published articles**

**Peter Kossek**
Senior Product Manager
facebook.com/otometrics
twitter.com/otometrics



**Meet these team members, and many others.  We look forward to seeing you.**

Otometrics is the world's leading manufacturer of hearing and balance instrumentation and software. Over the last 50 years we have provided solutions ranging from newborn hearing screening applications and audiologic diagnostics to comprehensive hearing instrument fitting and balance testing.

However, there is more about Otometrics than just instrumentation. The value of Otometrics as a partner is about our commitment to our users and their clients. The reason why major sites around the world have chosen us as their preferred partner is more about Trust in basing their mission-critical activities on what we provide. Our strong worldwide team of experts is determined to carry this legacy into the future.

Meet us online to learn more about our thinking, ideas, solutions and the way in which we support you in your endeavours. We're always ready for and welcome a dialogue.

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**GN Otometrics, North America.** 1-800-289-2150. sales@gnotometrics.com
**www.otometrics.com**

otometrics

| | |
|---|---|
| **Interfaces** | |
| USB port output, type A: | Primarily for USB Bluetooth dongle |
| USB port input, type B: | USB connection from PC |
| 24V DC in: | DC power, 2.5 mm |
| 24V DC throughput: | DC power, 2.5 mm |
| **AURICAL Speaker (optional)** | |
| Dimensions: | Approx. 375 x 285 x 145 mm (14.8 x 11.2 x 5.7 inches) , 1.5 kg (3.3 lb) |
| Output: | RCA phone optimized for 8 Ω speaker |
| **Transport and storage** | |
| Temperature: | -30°C to +60°C (-22°F to 140°F) |
| Air humidity: | 10% to 90%, non-condensing |
| Air pressure: | 500 hPa to 1060 hPa |
| **Operating environment** | |
| Mode of operation: | Continuous |
| Temperature: | +15°C to +35°C (59°F to 95°F) |
| Air humidity: | 30% to 90%, non-condensing |
| Air pressure: | 980 hPa to 1040 hPa. |
| **AURICAL FreeFit** | |
| Bluetooth: | Version 2.0, Class 2 (10m/33 ft) |
| Frequency Resolution: | 1/24 Octave or 1/3 Octave, in 4 channels |
| Dynamic Range: | > 80 dB |
| Calibration Data: | Stored electronically inside the probe |
| Intensity Accuracy: | ± 3 dB |
| Measurement Intensity Range: | Probe Microphone 40-130 dB SPL |
| Probe Microphone: | Intensity: 40 – 130 dB |
| Reference Microphone: | Intensity: 40 – 110 dB |
| Battery Type: | One rechargeable battery* Ni-MH, AA (R6) 1.2V. Can also be used with Alkaline AA (R6) 1.2V |
| Battery lifetime: | 5 hours of continuous use |
| **Inductive Charger unit** | |
| Nominal Input voltage: | 9 V DC |
| Max Power Consumption: | 300 mA (at 9 V input voltage while charging) |
| Power Supply**: | |
| Input voltage range: | 100-240 V AC, 50-60 Hz |
| Output voltage range: | 9 V DC |
| **System requirements** | |
| • 1.5 GHz processor or higher (2 GHz recommended) | |
| • 512 MB RAM (1 GB recommended) for Windows 2000 and XP, or 1 GB (1.5 GB recommended) for Windows Vista and Windows 7 | |
| • 700 MB free disk space for installation of the OTOsuite software. Additional disk space is needed for installation of prerequisites | |
| • Microsoft® Windows® 2000 with SP3, or Windows® XP (32 bit) with SP3 or higher, or Windows Vista (32 bit) with SP2, or Windows 7 (32 or 64 bit) | |
| • USB port for connecting accessories, v. 1.1, or 2.0 | |
| • DVD or CD-ROM drive | |
| • 32 bit color display, 1024x768 screen resolution | |
| • 32 MB graphic memory | |
| • Windows-compatible sound card | |
| • Supports NOAH 3.5, NOAH 3.5 for ENTs, or higher, for NOAH mode operation | |
| • Speaker system must be powered, and accept line input (2.9 Vpp at full volume) | |
| • Minimum available output level from powered speaker, 200-8000Hz: 85 dBSPL (1 meter distance, pure tone, maximum 2% distortion)** | |
| • Note: If you are going to use speech material supplied by GN Otometrics**, check the Speech Material Installation CD to make sure that your PC has the additional disk space required. | |
| **Counseling and Simulations module** | |
| Hearing Loss Simulator, Hearing Instrument Simulator, Speech Mapping, Predicted Aided Audiogram | |
| Stimuli: | Sound library, live, recorded signals, CD material (wav, mp3) |
| **Probe Microphone Measurements module** | |
| Stimuli: | Pink Noise, White Noise, Speech ANSI, ISTS, ICRA, Rainbow Passage, Tone Sweep, FreeStyle sound library with favorites list, live, recorded signals, recordings, CD material (wav, mp3) |
| Tests Available: | REUR, REUG, REOR, REOG, REAR, REAG, REIG, Noise Reduction, Customizable User-Tests. Dynamic REM, FreeStyle. |
| **Standards** | |
| Real Ear Measurement: | EN 61669, ISO 12124 |
| Client Safety: | EN 60601-1, UL 2601-1, CAN/CSA –C22.2, NO 601.1-90 |
| Type BF, IPX0 | AURICAL FreeFit: EN 60601-1, Internal Powered, |
| EMC: | EN 60601-1-2, EN 300 328-2, EN 301 489-17 |

**) Use only rechargeable batteries supplied by GN Otometrics A/S. **) Any IEC/UL 60601 or IEC/UL 60950 certified power adaptor supplying 9 V DC, min. 300 mA and with a maximum available output of 15 W can be used. **) When used on chargerstand.*

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**www.otometrics.com**

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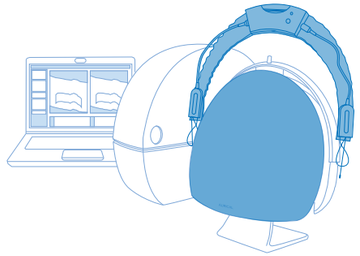
AURICAL FreeFit

# The future of fitting

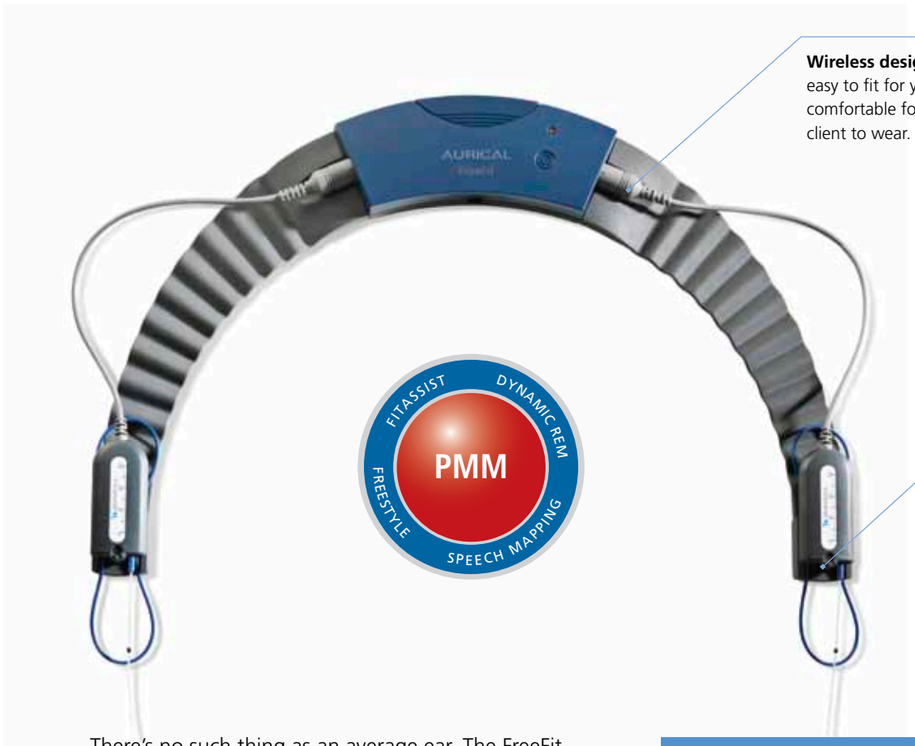
AURICAL

otometrics

# The Probe Microphone Measurement unit



**Newfound freedom**




**Wireless design:** It's both easy to fit for you and comfortable for the client to wear.

**Userfriendly probe:** The integrated rulers make it simple to insert the probe tube correctly.

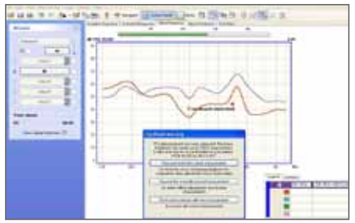
There's no such thing as an average ear. The FreeFit PMM increases client satisfaction because you can verify fittings – with or without prescriptive targets. It lets you fit with confidence – and makes your clients feel confident in you. Being the only wireless Probe Microphone Measurements solution, it adds unprecedented flexibility and freedom to PMM. User tests, binaural capability and pre-defined measurement sequences make it fast and easy to use. And it includes convincing tools that help you clearly demonstrate the real benefits of hearing instruments like noise reduction, directionality and the like. The FreeFit consists of four unique elements: Dynamic REM, Speech Mapping, FitAssist and the FreeStyle mode.

**See the videos about the FreeFit at www.futurefitting.com**

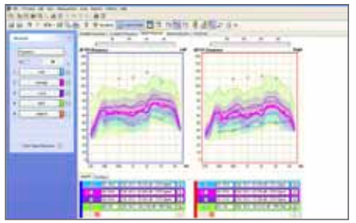
## THE FACTS

- Wireless
- Binaural
- Configurable user tests and sequencing
- Intuitive user interface
- FreeStyle with Feature-2-Benefit mode
- FitAssist (Feedback Finder and Occluded Probe-Tube Detector, OnTop mode)
- Real Speech stimuli including ISTS
- Dynamic Fitting using Percentile Analysis
- Chirp and OpenREM calibration
- ABR/ASSR data conversion
- Listen at the Eardrum
- Extensive sound library
- Dedicated noise reduction testing
- AURICAL Speaker (optional)

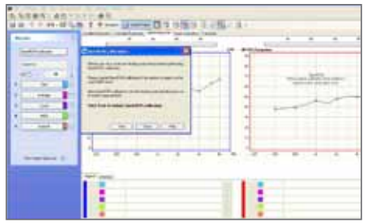
# PMM has never been easier



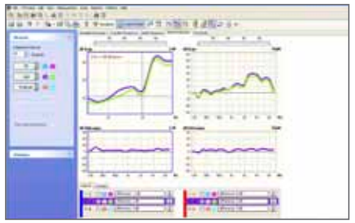
Feedback Finder



Dynamic signal analysis, Percentile Analysis

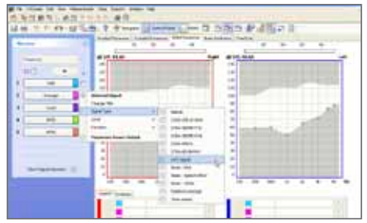


Designed for OpenREM



FreeStyle Curve Zoom

FreeStyle Customized User-Test



Ergonomic user interface

# The AURICAL Family

## Fully integrated with OTOsuite

The OTOsuite software integrates all the elements of the new AURICAL. It's intuitive, easy to learn and easy to use. It supports the entire client journey, from diagnostics and counseling, to fitting and verification. Simple to use user test functionality ensures configurable, consistent and smooth workflows that can be customized to suit individual needs. And you work in a single software environment across modules. The result is a better fitting experience – for you and for your client.

# AURICAL Aud

| | |
|---|---|
| **Frequency range** | |
| Insert earphones: | Standard frequencies: 125 - 8000 Hz |
| ME-70, HOLMCO, SF, TDH39 earphones: | Standard frequencies: 125 - 12500 Hz |
| BC: | Standard frequencies: 250 - 8000 Hz |
| Accuracy: | > 0.03% |
| Narrow Band Noise masking: | Available for each stimulus frequency |
| Frequency resolution: | 125 to 12500 Hz at standard frequencies |
| **Stimulus types** | |
| Tone audiometry: | Tone, Warble, Pulsed tone, Pulsed warble |
| **Masking types** | |
| AC, BC, SF: | Narrow Band Noise (Correlated) |
| | Speech Weighted Noise (Correlated) |
| | White Noise (Wide band noise) (Correlated) |
| **Stimulus modulation** | |
| FM (Warble): | Adjustable modulation rate and depth |
| | Modulation rate: 1-20 Hz (default: 5 Hz) |
| | Modulation depth: 1-25% of center frequency (default: 5%) |
| SISI: | 1, 2, 5 dB increments |
| **Signal presentation** | |
| Accuracy over the entire level range (AC): | 125 to 5000 Hz: ±3 dB, 5000 to 12500 Hz: ±5 dB |
| Accuracy over the entire level range (BC): | 250 to 5000 Hz: ±4 dB, 5000 to 8000 Hz: ±5 dB |
| Attenuator resolution: | 1 or 5 dB step resolution over the entire range |
| HL Range: | Maximum output will be limited by the transducer |
| Total harmonic distortion: | Air < 2.5 %, Bone < 5 % |
| **Stimulus presentation** | |
| Normal: | The signal is presented when the Stimulate button is pressed |
| Continuous ON: | The signal is interrupted when the Stimulate button is pressed |
| Pulse: | The signal is pulsed |
| Pulse duration: | 200 ms on and 200 ms off (configurable) |
| **Selectable transducers** | |
| AC: | TDH 39, ME-70, HOLMCO, HDA 200 headphones, and Insert Earphones |
| BC: | B71 (Mastoid placement) |
| SF: | Passive sound field speaker, using the built-in amplifier in AURICAL Aud, or |
| | Sound field speaker with built-in amplifier or external amplifier, with both types using the line output from AURICAL Aud |
| Transducer options depend on how AURICAL Aud is ordered and calibrated | |
| **Outputs** | |
| AC: | 2 x 2 mono jacks, 6.3 mm (1/4 ") |
| BC: | 1 x mono jack, 6.3 mm (1/4 ") |
| SF power output: | 3 x 2 terminals, 3 x 40 W peak, 8Ω load |
| SF line output: | 2 x 1.6 Vrms |
| **Inputs** | |
| CD/Analog line in: | 0.2 to 2.0 Vrms, 10 kΩ 1 stereo 3.5 mm (1/8") jack |
| Talk Back microphone: | Electret microphone |
| | Input voltage: 0.002 to 0.02 Vrms |
| | Input resistance: 2.21 kΩ |
| | 3.5 mm (1/8") jack |
| USB 2.0 hub: | 3 powered High Speed USB type A ports |
| 24V DC power supply: | DC power, 2.5 mm |
| **Operator accessories** | |
| Operator monitor headset - headphones: | 40 mW 16Ω |
| | 3.5 mm (1/8") stereo jack |
| Operator microphone (desk-top or boom): | Electret microphone |
| | Input voltage: 0.002 to 0.02 Vrms, |
| | Input resistance: 2.21 kΩ |
| | 3.5 mm (1/8") jack |
| **USB port connector** | |
| Type: | USB 2.0 type B port |
| Speed: | High speed |
| **Transport and storage** | |
| Temperature: | -30°C to +60°C (-22°F to 140°F) |
| Air humidity: | 10% to 90%, non-condensing |
| Air pressure: | 500 hPa to 1060 hPa |

| | |
|---|---|
| **Operating environment** | |
| Mode of operation: | Continuous |
| Temperature: | +15°C to +35°C (59°F to 95°F) |
| Air humidity: | 30% to 90%, non-condensing |
| Air pressure: | 980 hPa to 1040 hPa |
| (Operation in temperatures exceeding -20°C (-4°F) or +60°C (140°F) may cause permanent damage) | |
| Warm-up time: | < 5 min. Note: Should be extended if AURICAL Aud has been stored in a cold environment |
| **Disposal** | |
| AURICAL Aud can be disposed of as normal electronic waste, according to WEEE and local regulations | |
| **Dimensions** | |
| AURICAL Aud: | Approx. 275 x 205 x 60 mm (10.8 x 8.0 x 2.4 inches) |
| **Weight** | |
| AURICAL Aud with HI-PRO: | Approx. 0.85 kg - (1.875 lb) |
| AURICAL Aud without HI-PRO: | Approx. 0.65 kg - (1.433 lb) |
| **Power supply** | |
| MeanWell MES50A-6P1J, 50W: | Output: 24 V, 2.08 A - Input: 90-264 V, 47-63 Hz |
| Power consumption: | < 60 VA |
| **Standards** | |
| Audiometer: | IEC 60645-1, Type 2, 2010; IEC 60645-2, Type A, 1993; ANSI 3.6 |
| Patient Safety: | Complies with IEC 60601-1, Class 1, Type B; U2601-1; CAN/CSA-C22.2 NO 601.1-90 |
| EMC: | IEC 60601-1-2 |

| | |
|---|---|
| **Built-in HI-PRO (optional)** | |
| Hearing instrument connection: | 2 x 6 pole mini-DIN sockets |
| Safety: | EN 60601-1, Class 1, Type BF and UL 544 |
| EMC: | EN 60601-1-2; EN 300 328-2; EN 301 489-17 |
| Accessories: | Test software. See the AURICAL Aud Service Manual |

| | |
|---|---|
| **AURICAL Speaker** | |
| Connections: | |
| USB port output, type A: | Primarily for USB Bluetooth dongle |
| USB port input, type B: | USB connection from AURICAL Aud or PC |
| 24V DC in: | DC power, 2.5 mm |
| 24V DC throughput: | DC power, 2.5 mm |
| Speaker output: | RCA phone optimized for 8Ω speaker |
| **Dimensions** | |
| Size: | Approx. 375 x 285 x 145 mm (14.8 x 11.2 x 5.7 inches) |
| Weight: | Approx. 1.5 kg (3.3 lb) |
| **Transport and storage** | |
| Temperature: | -30°C to +60°C (-22°F to 140°F) |
| Air humidity: | 10% to 90%, non-condensing |
| Air pressure: | 500 hPa to 1060 hPa |
| **Operating environment** | |
| Mode of operation: | Continuous |
| Temperature: | +15°C to +35°C (59°F to 95°F) |
| Air humidity: | 30% to 90%, non-condensing |
| Air pressure: | 980 hPa to 1040 hPa |
| (Operation in temperatures exceeding -20°C (-4°F) or +60°C (140°F) may cause permanent damage) | |
| **Standards** | |
| Real Ear Measurements: | EN 61669, ISO 12124 |
| Client Safety: | EN 60601-1, UL 2601-1, CAN/CSA –C22.2, NO 601.1-90 |
| Type BF, IPX0: | AURICAL FreeFit: EN 60601-1, Internal Powered, |
| EMC: | EN 60601-1-2, EN 300 328-2, EN 301 489-17 |

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**GN Otometrics, North America.** 1-800-289-2150. sales@gnotometrics.com
**www.otometrics.com**

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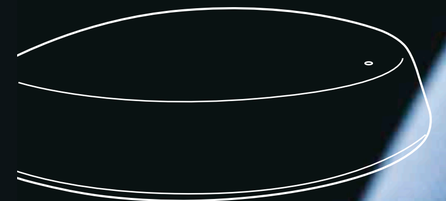


AURICAL Aud

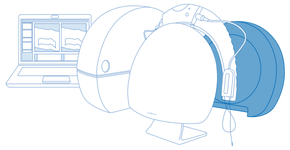
The future of fitting

AURICAL

otometrics

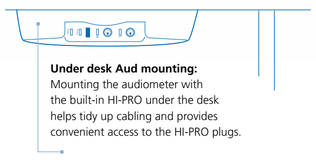
# The Audiometer

**655g of concentrated knowledge**



**Unique design:** Compact and designed to support your needs.

**Connectivity:** The vast connectivity possibilities make it the natural central point of the fitting solution.



**Under desk Aud mounting:** Mounting the audiometer with the built-in HI-PRO under the desk helps tidy up cabling and provides convenient access to the HI-PRO plugs.

The new AURICAL Aud is the world's only true fitting audiometer. It integrates an audiometer, counseling tools, power amplifier, USB hub and optional HI-PRO in a modern, ultra-compact design. It's a complete, portable diagnostic audiometer that offers outstanding flexibility. It is designed to fit into all kinds of environments, inside your clinic or out.

The new audiometer is easy to use too: The exceptionally intuitive interface has a new on-screen control panel and easy-to-access user test functions. It not only ensures fast operation but also consistently accurate results. Also, if you're familiar with the AURICAL Plus, your transition to the new solution will be particularly smooth.

**See the videos about the complete fitting solution at www.otometrics.com**

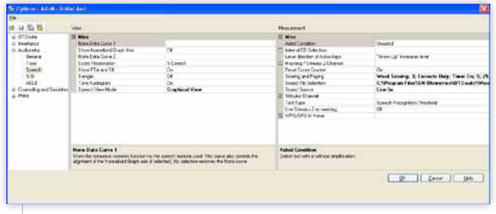
## THE FACTS

- AC, BC and SF audiometry (built-in power amplifier)
- Tone audiometry testing up to 12.5 kHz
- Integrated speech material
- Intuitive on-screen control panel
- Masking assistant
- Extensive user test functionality
- One-click data logging
- Built-in USB hub
- Optional built-in HI-PRO
- Selection of report templates

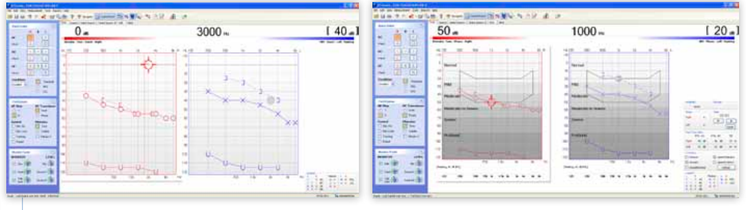
# The AURICAL Family

## Fully integrated with OTOsuite

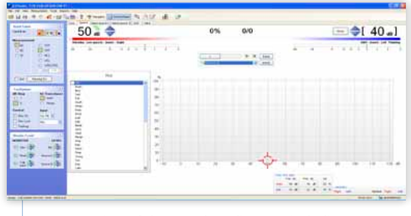
The OTOsuite software integrates all the elements of the new AURICAL. It's intuitive, easy to learn and easy to use. It supports the entire client journey, from diagnostics and counseling, to fitting and verification. Simple to use user test functionality ensures configurable, consistent and smooth workflows that can be customized to suit individual needs. And you work in a single software environment across modules. The result is a better fitting experience – for you and for your client.



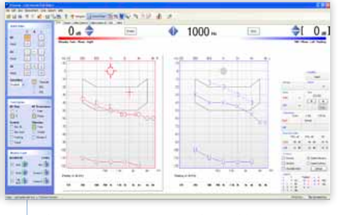
AURICAL Aud and OTOsuite lets you administer your preferences easily. Make the settings once and save as User Tests for later. Share your User Tests with your colleagues and make OTOsuite ensure a smooth and efficient way of working.



Various view options allow you to choose what is best for you and your patient. Go from simple to advanced in 2 mouse clicks.



Easy overview of the speech audiometry including the integrated wordlists.



The new on-screen control panel is intuitive and fast.

**NEW!**
AURICAL FreeFit
*Learn more on page 4-5*

# AURICAL Plus is

# EVOLVING

## – Your best friend in fitting just got better

AURICAL Plus

otometrics
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***Think training for the future:***
*Did you know that we offer in-house training and many free online courses? Learn more at www.otometrics.com/resources*

# AURICAL Plus does the job

## – More than 12,000 installed worldwide

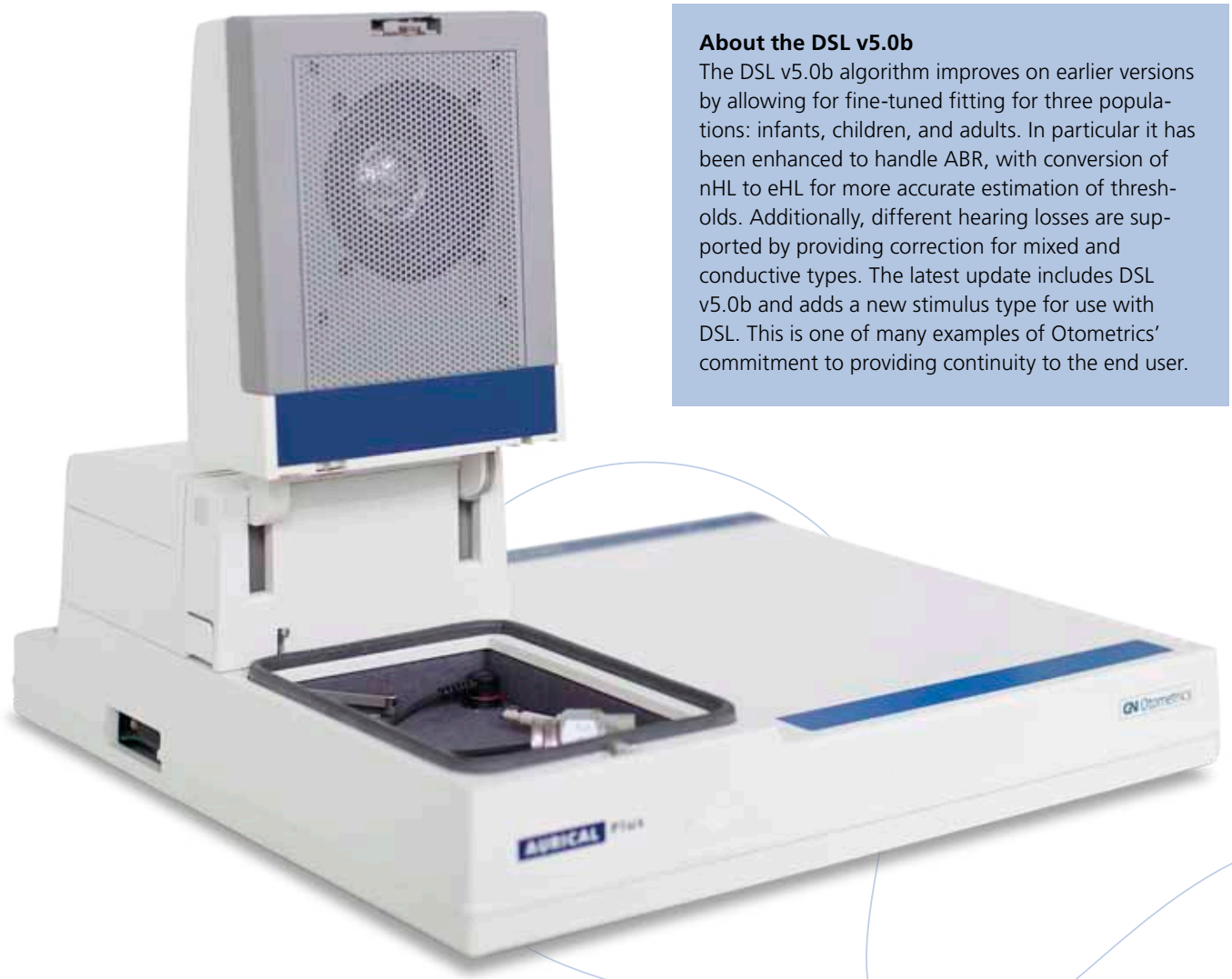
With more than 12,000 installed systems worldwide, it's no wonder AURICAL Plus has become the gold standard for audiologic diagnostics and hearing instrument testing, fitting, and programming. At Otometrics, we are committed to evolving the AURICAL family of products – this means that AURICAL Plus now gives you more benefits than ever before – in a scalable fitting solution for small and large settings.

**Your best friend in fitting**
AURICAL Plus is the natural hub of a contemporary fitting system thanks to continuous development over the last decade. Today we are proud to offer an up-to-date fitting system that has all the features and functionality you need and is part of a family of products that will continue to evolve.

**Today's AURICAL Plus consists of:**
- A two-channel audiometer, including special tests, historical comparison, HL/SPL audiometry, user tests and more
- HIT supporting today's test standards
- Classic REM features
- Coupler based fitting
- DSL v5.0b and updated stimuli
- Data and workflow integration capabilities (NOAH, EMR, XML, electronic reporting, etc.)

**In-situ or coupler based fitting**
We all know that measurements are necessary to get confident fitting results and satisfied customers. AURICAL guides you to the goal in an intuitive manner. You can carry out your fitting according to validated fitting prescriptions such as NAL NL1 and DSL v5.0b, or can freely define your own prescriptions. Measurements can be performed in-situ with the dual REM/SPL headset or our 2cc coupler using RECD, so you can easily fit hearing instruments on young children or other patient groups, for example, those with severe to profound hearing loss.

**Quick and accurate hearing instrument testing**
With the HIT module, you can test hearing instruments quickly and accurately inside the built-in test chamber. Full test protocols according to IEC/ANSI or partial tests give you flexibility in collecting information according to your needs and make your testing and troubleshooting quick and easy to document.

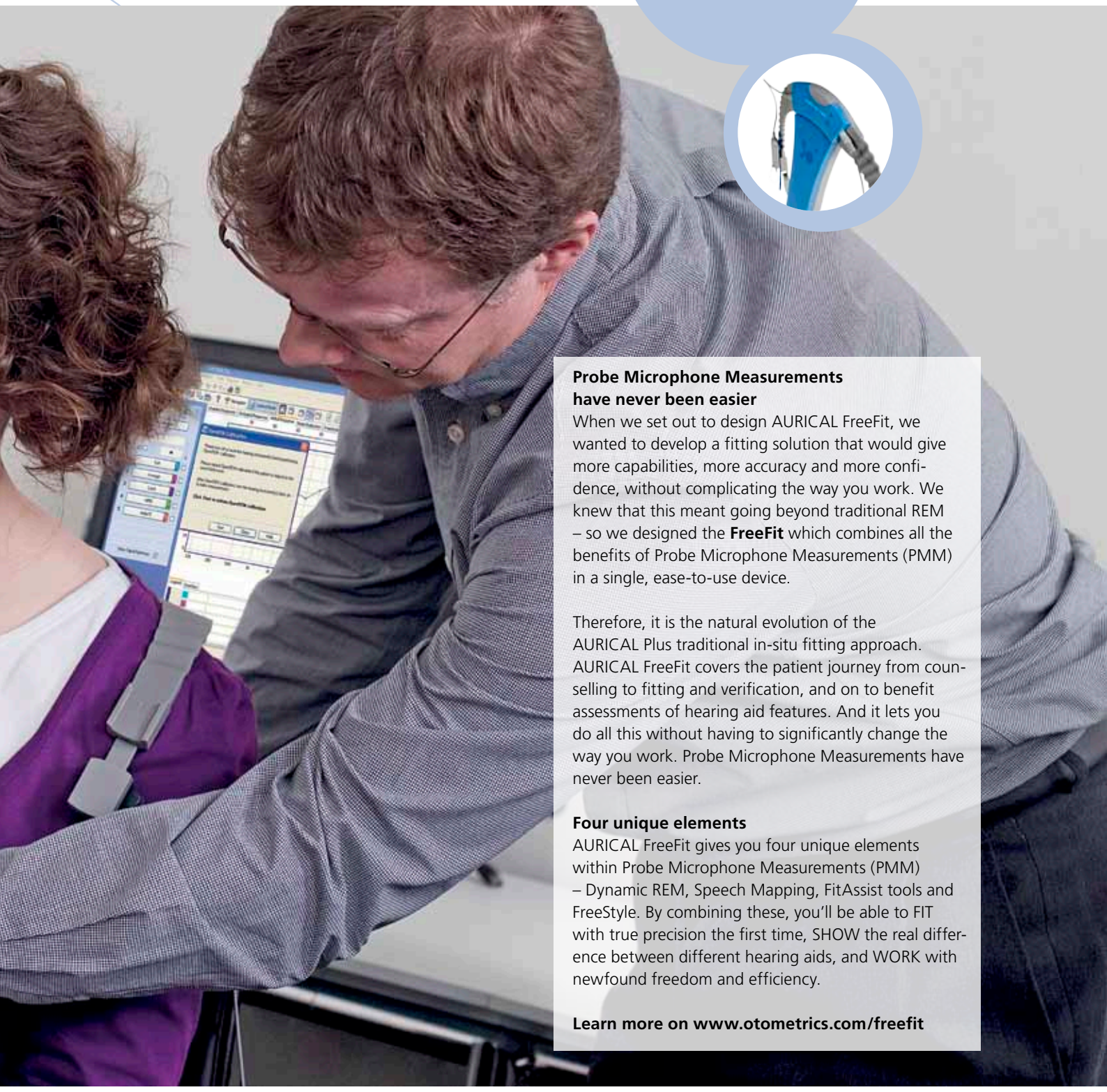



**About the DSL v5.0b**
The DSL v5.0b algorithm improves on earlier versions by allowing for fine-tuned fitting for three populations: infants, children, and adults. In particular it has been enhanced to handle ABR, with conversion of nHL to eHL for more accurate estimation of thresholds. Additionally, different hearing losses are supported by providing correction for mixed and conductive types. The latest update includes DSL v5.0b and adds a new stimulus type for use with DSL. This is one of many examples of Otometrics' commitment to providing continuity to the end user.

# AURICAL is evolving

## AURICAL FreeFit – the latest addition to the family

***New and unique feature:***
*The Feature-2-Benefit (F2B) view mode – enables you to clearly demonstrate the difference between different hearing aids.*



**Probe Microphone Measurements have never been easier**

When we set out to design AURICAL FreeFit, we wanted to develop a fitting solution that would give more capabilities, more accuracy and more confidence, without complicating the way you work. We knew that this meant going beyond traditional REM – so we designed the **FreeFit** which combines all the benefits of Probe Microphone Measurements (PMM) in a single, ease-to-use device.

Therefore, it is the natural evolution of the AURICAL Plus traditional in-situ fitting approach. AURICAL FreeFit covers the patient journey from counselling to fitting and verification, and on to benefit assessments of hearing aid features. And it lets you do all this without having to significantly change the way you work. Probe Microphone Measurements have never been easier.

**Four unique elements**

AURICAL FreeFit gives you four unique elements within Probe Microphone Measurements (PMM) – Dynamic REM, Speech Mapping, FitAssist tools and FreeStyle. By combining these, you'll be able to FIT with true precision the first time, SHOW the real difference between different hearing aids, and WORK with newfound freedom and efficiency.

**Learn more on www.otometrics.com/freefit**

# The AURICAL Family

## – Your complete fitting solution

In a professional clinical environment, you need fitting tools that fulfill diverse needs and enable you to deal with all sorts of challenges. AURICAL Plus has a strong history in this environment and has served thousands of hearing care professionals worldwide. Now with the latest updates as well as the addition of the AURICAL FreeFit you will be able to meet the requirements of the future.

AURICAL Plus serves as the ideal base for the fitting process. With its three core components: Audiometry, REM and HIT, it is able to meet the requirements in most clinics. The AURICAL FreeFit's new approach to Probe Microphone Measurements (PMM) takes the classic REM approach to the next level.

With FreeFit, PMM has never been easier and even experienced REM users will embrace this approach and find new possibilities for integrating PMM in their fitting workflow. Furthermore, because it is wireless and binaural, FreeFit creates unique possibilities as it eliminates the need for cables between hardware and PC.

The result is a unique combination that supports the entire patient journey, from diagnostics through counselling, fitting and verification. Utilizing these tools enable you to improve accuracy in fitting, work with more confidence and professionalism, and improve efficiency in your clinic. The result is improved patient satisfaction.

**AURICAL Plus and AURICAL FreeFit – a complete fitting solution**

| | | | | |
|---|---|---|---|---|
| **AURICAL Plus** | Audiometry | Hearing Instrument Testing | Classic REM | Coupler based fitting |
| **AURICAL FreeFit** | Dynamic REM | Speech Mapping | FreeStyle | FitAssist tools |
| **OTOsuite universe** | Counselling screens | Hearing Loss Simulator | Hearing Instrument Simulator | Fitting reports |

***Otometrics – a name you can trust:***
*We help you improve accuracy in fitting, work with more confidence, and improve efficiency in your clinic. The result is improved patient satisfaction.*

# It's a matter of trust

At Otometrics, we are committed to developing innovative, integrated solutions that can help you make better decisions faster and more efficiently. With 50 years of industry experience and a strong worldwide team of experts, we think there are good reasons why you should put your trust in us.

If you would like to talk to us about how our hearing, fitting and balance equipment can help meet your needs, please feel free to get in touch. You will find the contact details for your nearest Otometrics representative under "Contact" on our website:

**www.otometrics.com**

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Hearing Assessment · Fitting Systems · Balance Assessment

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